

SEARCHLIGHTS OF 90-MILE RANGE ARE MADE IN U. S.

SCHENECTADY, Oct. 8. (By International News Service.)—America's mastery of coast defense problems is reflected in a shipment of four powerful searchlights from the General Electric company's Schenectady works to the island of Java, Dutch East Indies. These four military lights, each rated at 500,000 candle power, are among the most powerful in the world and are unique in their system of operation. They can be controlled from a great distance and controlled by a hand lever when not in use.

Each searchlight carries a lens 36 inches in diameter and is mounted on trucks which run on an inclined plane of 45 degrees, built of structural steel. The observer, who operates the lights, may be at a distance of 1,000 feet or more. By a system of electric switch buttons he can throw on or shut off the beam, or switch it to any desired angle. He can have complete control of the powerful light, although he may be in a place where he can not even see the machine itself, but merely the ray of light.

These four lights are to be placed on the four sides of a promontory. The light from each, traveling a sector of 90 degrees, will be directed from a central station to be located at the top of the summit.

Much skilled labor goes into a searchlight. The lamp alone consists of a thousand different pieces, all most delicately adjusted. Practically all the material used must be non-corrosive, owing to the exposure to the weather and the delicacy of the parts that operate on a small charge of electrical current.

Gold, silver and platinum are used, as well as the more common metals. The big iris shutter, which screens or exposes the lens at the mere pressure of a button in the operator's room, is made of brass scales that overlap in a rotary motion.

Inside the lens case, behind the carbons from which the light is produced, is placed a powerful parabolic mirror. The diameter of this mirror determines the size of the light.

The mirror is of great importance. A superior quality of glass must be used, and the finest workmanship is necessary. It must be a mirror of perfect shape, and of uniform thickness, and of underlying rapid cooling. It is manufactured with innumerable tiny facets, so that it will reflect the light rays straight through the lens.

Searchlight engineers are reluctant to commit themselves regarding the distance that the largest searchlight will throw its beam. This is due to varying atmospheric conditions. When the weather is favorable a surprising reach can be obtained. Other times the light beam penetrates such a comparatively short distance that the discrepancy seems strange.

It is pretty well admitted, however, that a searchlight of 500,000 candle power will throw a beam that can be seen when the night is fair for at least 90 miles.

MONGREL DOG RESCUES SIX FROM STORE FIRE

PHILADELPHIA, Oct. 8. (By International News Service.)—A mongrel dog, saved the lives of six persons in a fire and then burned to death. The dog awakened Mr. and Mrs. Isaac Koval and their four children by frantic barking when their house was in flames.

A fire of unknown origin started in the first floor of the store shortly after 2 o'clock. Nellie gave the alarm and succeeded in arousing the family. Then the dog ran down the stairway through the blaze. Leading the family, she dashed through the fire once more.

Meanwhile the Koval family had been rescued from their perilous position. Firemen battled their way to a bedroom where they discovered Nellie dead, having succumbed to flames and smoke.

SCHOOLS GROW.

YOUNGSTOWN, O., Oct. 8. (By International News Service.)—Youngstown just how big Van Winkle felt when he returned to his Catskill village after his 20-year absence.

This statement was made by Prof. Frederick Treudley, former superintendent of the public schools here, addressing a local school teachers' meeting.

"Twenty years ago I was superintendent of schools here, and we had an assembly meeting in this building at the beginning of the term," continued Prof. Treudley. "We had 180 teachers present."

"We thought that was a large corps—and it was then. There are 600 here today. I am told. That's how the Youngstown schools have grown in the last two decades."

Bry's Candy Bargain Saturday

Mexican Chocolate Nut Fudge 35c lb.
Little Fish Candy Assorted 40c lb.
Maple Pecan Nut Kisses 60c lb.
Caramel Puffed Corn Roll 50c lb.
Diamond Special 50c lb.
Chocolates 60c box. adv.

News of Rivers

Thursday for Helena, Ft. Point and Rosedale with a large cargo of freight.

The Harry Lee cleared for Ft. Point and way landings to the lower bends Friday with a good cargo of freight.

The steamer Illinois cleared Friday for her regular run to St. Louis, landing and way points. She arrived in the local harbor Thursday afternoon from Peoria Point.

The Republic cleared Friday as the regular packet boat between Memphis and Ashport and way landings.

The United States mail boat, Oceanic, cleared the Memphis docks Friday for Osceola and way landings.

Rivermen declared Friday that Memphis has witnessed the most busy summer river trade in years. Much freight is being landed by way of the river and all boats are doing a capacity business. The prospect for another large line from the north is very bright, according to the rivermen, and will probably be established by the way of this city by the latter part of next spring.

River Bulletin.

Memphis, Tenn., Oct. 8, 1920.

City	High	Low	Stage	Wind	Temp	Bar
Pittsburgh, Pa.	22	20	2	S	60	30.0
Parkburg, W. Va.	22	20	2	S	60	30.0
Cincinnati, O.	22	20	2	S	60	30.0
Louisville, Ky.	22	20	2	S	60	30.0
Evansville, Ind.	22	20	2	S	60	30.0
Nashville, Tenn.	22	20	2	S	60	30.0
Chattanooga, Tenn.	22	20	2	S	60	30.0
Johnsonville, Tenn.	22	20	2	S	60	30.0
Paducah, Ky.	22	20	2	S	60	30.0
Davenport, Ia.	22	20	2	S	60	30.0
Omaha, Neb.	22	20	2	S	60	30.0
Kansas City, Mo.	22	20	2	S	60	30.0
St. Louis, Mo.	22	20	2	S	60	30.0
St. Paul, Minn.	22	20	2	S	60	30.0
Chicago, Ill.	22	20	2	S	60	30.0
New Madrid, Mo.	22	20	2	S	60	30.0
MEMPHIS	22	20	2	S	60	30.0
Helena, Ark.	22	20	2	S	60	30.0
St. Smith, Ark.	22	20	2	S	60	30.0
Little Rock, Ark.	22	20	2	S	60	30.0
Shreveport, La.	22	20	2	S	60	30.0
New Orleans, La.	22	20	2	S	60	30.0

*Rise. — Fall.
The Mississippi river will fall slowly in this district for several days.

GUARDS PROTECTING VATICAN FROM RED ATTACK



Swiss Guards in Parade to Pledge their Allegiance to the Papal Flag Before Going on Duty at the Vatican.

Following recent reports that the Communists planned to occupy the Lateran palace, property of the Holy See, precautionary measures were taken by Vatican officials to guard the Vatican premises. Ball cartridges were issued to the gendarmes and

famous Swiss guards. The photo shows part of the Swiss guard on parade to pledge their allegiance to the papal flag.

North Memphis Improvement Club To Hold Meeting

The North Memphis Civic Improvement club will hold an important meeting Friday night at 7:30 o'clock in the basement of the LeRoy Pope school. Members and prospective members have been urged to attend by J. J. Brennan, president.

This club through its many committees has been active since its organization as a trip through North Memphis will prove. Additional improvements in the district have been asked from the city commissioners.

At the meeting Friday night home made cake and ice cream will be served.

AMUSEMENTS

"Oh! By Jingo."

"Oh! By Jingo," an M. Marx production coming to the Lyric tonight and Saturday night, with a matinee Saturday, promises to be one of the real big musical comedies of the year, according to those who have seen the production. The play is a new comedy in other cities. While it has always been the policy of Mr. La Tour to refrain from praising a show produced by his organization, he was forced to depart from this policy, and declares "Oh! By Jingo" to be the finest production he has witnessed in his long career as a producer. The comedy has been turned over to Lew Rose, who heads the cast, and while he is prominently known on the stage, he is a singer and dancer, and "Oh! By Jingo" should not soon be forgotten.

Babe La Tour appears in the leading feminine role. A company of capable players have been selected by Mr. La Tour, among them are Alex Saunders, Margarette Abbott, Joe West, Florence Macintosh and Bernice Clark.

Special scenery, brilliant electrical effects, stirring costumes and then add to all this 20 beautiful girls who are singers and dancers, and "Oh! By Jingo" should not soon be forgotten.

Actress Must Feel Her Part, She Says

"Our reception was something so wonderful I shall never forget it," announced Alice Hargrave, popular movie star, with the Loew contingent. "I am a native of Virginia and never received such a splendid ovation even in my native city, Richmond, as I did in Memphis Thursday. It was a never-to-be-forgotten experience. This is my first visit to Memphis, but it will not be the last."

"Oddly enough all my most vital experiences have been connected with the South, and my biggest success was in 'Miss Dulse' of Dixie. I love screen work. In the 'spookies' so much depends on the voice. If you have that you have won half the battle, but in the movies you must feel your part to make the audience interested in your portrayal."

For the time being at least, Mexicans are neglecting their popular outdoor sport of exterminating one another in revolutions and are devoting their energies to good roads work. The government has advertised for bids for construction of 400 miles of broken road concrete surface roads connecting Mexico City with Guadalupe and intends to follow this up with other extensive projects.—Goodrich.

Buys Equipment For Russ Roads



DR. GEORGE V. LOMONOSOFF.

According to a recent cable dispatch, Dr. Lomonosoff, a Russian envoy, has signed a contract with a great German firm of incentive manufacturers to outfit with the former Russian military. The contract calls for the delivery of 2,000 incentives within the next 20 months. Part of the incentives marks the contract calls for will be paid in gold, and the remainder will take the form of concessions to Germany.

JUDGES HAVE ESSAYS

Several Hundred Contributions to Big Contest Now Being Sorted—Contain Many Good Reasons On Subject:

"WHY I LOVE AMERICA"

The three judges in The News Scimitar's "Why I Love America" contest are up to their ears in work. Several hundred essays from Memphis and Shelby county school children, setting forth their reasons for loving their country, are in the judges' hands and are being sorted as rapidly as possible.

Boys and girls, take my word for it, those judges have some job. I read every essay submitted before I turned them over to the judges. They were wonders. I never saw so

many real, true-blue, red-white-and-blue reasons contained anywhere—not even in the pages of American history. I take off my hats to you. Each and every one of you can be proud of the essay you submitted. I'm just as anxious as you are to see who the judges will return as the 20 cash prize winners, and the 30 honorable mentions. Those 50 essays will be wonders. Watch for announcements, and see. For the 50 best ones will be printed, day by day, in The News Scimitar.

After many readings of many reports by refiners and other experts anent the supply of automobile fuel accessible to American motorists, we have come to the conclusion that there will be enough gasoline for the present generation and the next generation and the generation after that, unless the supply becomes exhausted.—Motor Life.

EVERYTHING FOR WOMEN

THE LANDRES CO.

88 S. MAIN ST. MEMPHIS, TENN.

Newest Dependable Merchandise Always

Our Prices Stand the Acid Test of Comparison



SPECIAL for Saturday 100 Beautiful Trimmed Hats

Tomorrow, Saturday, we offer a marvelous group of 100 smartly trimmed hats at the economy price of \$4.45. Every conceivable new trimming effect so popular among good dressers now is included in this group. You've never had a better opportunity to choose from so delightful a style range. Large picture hats, small charming models and graceful in-betweens are here, developed in

Lyons Velvet, Panne Velvet and Duvetyn Combinations

Your Choice Values to \$8.85

\$4.45

Saturday Only Exceptional One Day Offer

MISSIONARY WILL PICTURE LIFE OF WOMEN IN PERSIA

Miss Ena Bridges in Lecture at Bible Conference Saturday Will Reveal Conditions Little Understood in U. S.

The closing day of the first week of Memphis' interdenominational Bible conference will be featured by an address to women only by Miss Ena Bridges, returned missionary from Urmia, Persia, on the life of women in Persia, that promises to be a revelation to all who have not lived in that land and known the people intimately, as only a missionary can. This lecture will be held at 2:30 p.m. at Central Baptist church. At night she will give a public lecture. Arrangements are being made to take care of one of the biggest audiences that has attended the conference thus far.

Miss Bridges was in Persia during the war. She was taken prisoner, and had one of the most thrilling experiences, which she will relate to her audience.

Dr. Charles A. Blanchard, president of Wheaton college, began a series of lectures on "Prayer" Friday morning at 10 o'clock and will speak again at Central Baptist church, at 7 p.m. Dr. Blanchard has made the scriptural teachings on prayer a special study for years. He believes implicitly that God does answer prayer, when the petitioner asks in the right spirit, and with his forceful eloquence, he makes plain to his hearers how they too may prevail with God.

Dr. R. A. Torrey also lectured on "Prayer" at Idlewild Presbyterian church Thursday night, taking as his text: "Whatsoever ye ask in my name, that ye shall receive."

Another discourse on "Spiritualism" was delivered by Dr. Henry Ostrom at McLeone Avenue Christian church Thursday night, that made clear the attitude of the Bible on the subject. His subject Friday night is "The Modern Liberal in Religion."

The study of the Book of Malachi at St. John's Methodist church, conducted by Dr. William Evans, is progressing with increasing interest each night. The course is being followed closely by a large audience.

Leaders are greatly pleased with the success being attained in each of the group meetings.

FAIR PRICE TAGS ORDERED

EAST LIVERPOOL, O., Oct. 8. (By International News Service.)—Both the selling price and the original cost must be "tagged" on articles sold by local merchants.

This is the decree of the county fair price committee. The commissioners have ordered that East Liverpool merchants must revise the price tags on their merchandise so as to show the original cost of the commodity, the "markon."



Our Spectacles and Eye Glasses are the product of 28 years' experience in fitting and making glasses. Twenty-five thousand pairs of our glasses are being worn today.

No Drops Used in the Eyes

Goodell Optical Co.

allowed and the selling price. The rating of the commission provides that, although the usual business "code" may be used on the price tags, the key must be surrendered to any official of the commission who might visit the store to inspect the goods.

The Ohio Motorist, comparing yesterday and today, shows, for "Fifth Avenue," New York, an excellent view of Forty-second street. This is very middle class. Since Jan. 16 almost nobody mistakes the two.—Motor Life.



POST TOASTIES for breakfast is like a hard-boiled egg—you simply can't beat it.

—says Bobby

THE BLIND BUY AT Piggly Wiggly

SUGAR Best Granulated	—per lb.,	13c
COFFEE Maxwell House, Dean's and Canova	—1-lb. cartons,	42c
RICE High-Grade Louisiana	—per lb.,	10c
NAVY BEANS Fancy hand-picked	—per lb.,	8½c
OATS National	—per carton,	12c
CORN FLAKES Kellogg's	—per carton,	12c
MILK Libby's Evaporated	—Tall Can,	14c
MACARONI AND SPAGHETTI Golden Age	—6-oz. package,	7½c
OLIVE OIL Pompeian	—½ pint, 38c; one pint,	72c
TEA Lipton's Yellow Label	—¼-lb., 20c; ½-lb.,	40c
BACON Morrell's, Sliced	—1-lb. carton,	61c
LARD Morrell's	—1-lb. carton,	27c
OLEOMARGARINE Purity Nut	—per lb.,	32c
CHEESE Full Cream	—per lb.,	37c
PEAS Black-Eyed	—per lb.,	11c
JAM Libby's Blackberry	—20-oz. tin,	43c
PRESERVES Von Allmon's Home-made	—Assorted, 10-oz. glass,	22c
TOMATOES	—No. 1½ can,	9½c
PEAS Early June	—No. 2 can,	14c
PINEAPPLE Swan Brand, Sliced	—No. 1 can, 21c; No. 2 can,	42c
PEACHES Pie	—No. 3 can,	19c
PEACHES California Growers	—No. 2½ can,	35c
MOLASSES Karo, Blue	—No. 1½ can,	15c
SYRUP Domino	—No. 1½ can,	24c
SYRUP Mary Jane	—No. 1½ can,	15c
CRISCO Cooking Fat	—1½-lb. can, 40c; 3-lb. can,	79c

Read This Interesting Letter

Nashville, Tenn., Sept. 25th, 1920.

Piggly Wiggly Stores, Inc. Memphis, Tenn.

ATTENTION: MR. JOHN C. BURCH Mgr. Advertising Dept.

Dear Mr. Burch: After all of my travels and connections with Piggly Wiggly Stores, which I have had in the past number of years, being thrown in contact with all classes, I will have to confess that at our store No. 1, at 705 Church St., I witnessed one of the most remarkable cases I have ever seen and I will venture to say, that anyone else has ever seen.

I was standing down in the store this afternoon talking to our Manager, when a man entered the store coming right through the turnstile right down the front aisle, circled the first aisle, stopping exactly where we keep our Peanut Butter. My attention was attracted by this man on account of the way he came in and would pass his hand over the different commodities which you are aware of, are glass in that particular section. I called the Manager's attention to this.

He placed his hand on some of the commodities, right under the shelf where we keep Peanut Butter and on feeling two or three bottles, immediately raised his hand to the second shelf first touching the small size of Peanut Butter, then the medium and then running his hand over the large size, he selected two from the shelf. He left that section, circled the pipe railing, then circled the third aisle, stopping at the sugar. He felt a couple of packages and decided to take a five pound package. At that time my curiosity arose to such an extent that I walked up to the gentleman and explained to him that I was District Manager and that I would like to know how in the world he could find those articles in a Piggly Wiggly Store by just feeling for them.

He then explained that he was totally blind and that he had been trading in Piggly Wiggly Stores for quite a while, mentioning that Chicago was the first town that he ever stopped in. While I was talking to him at the section where we keep sugar, he turned around, saying that he needed a package of cereal, then to my surprise, walked right to the section and after feeling around placed his hand on the package he so desired.

Feeling it once or twice without asking any questions, he was convinced that it was the article that he wanted.

This is the most remarkable case I have ever seen. If I had known that he was blind when he came into the store, it would have been a horse of a different color, but to see a man walk in the way he did and go direct to the section, and almost to the shelf that we keep Peanut Butter on, almost knocked me flat.

Up until then I did not know that he was blind, but thought that he must have been near-sighted or blind by the way he felt the jars. I had quite a conversation with him just before leaving the store, and after asking him how in the world he found out where we kept different commodities he said that on first entering a Piggly Wiggly Store in Chicago, one of the gentlemen took him to the different sections where the articles were that he desired and from that time on he says that he can go to any of the Piggly Wiggly Stores, Inc., in the U. S., and find any of the articles that he has purchased from them, provided they keep their merchandise arranged like the ones he has been used to trading with.

I feel sure that this is the first time that your attention has been called to a matter of this kind and I certainly would like for Mr. Saunders to have been here to see how the man came in this store and selected the different articles he desired without any assistance and bother to any of us. The above information that I have given you I would be perfectly willing to go before a Notary Public and swear to. I would like to bring this man to Memphis and let him go through any of those stores and pick out anything which he has ever purchased in a Piggly Wiggly Store.

Best personal regards to all: Yours very truly,

T. L. GOOD, District Mgr. Piggly Wiggly Stores, Inc.

PIGGLY WIGGLY